

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 21-Nov-14

Time 10:58 PM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 704 Const Calendar Day: 147 Date: 29-Oct-2012 Monday

Inspector Name: Bruce, Matt Title: Transportation Engineer

Inspection Type: Intermittent

Shift Hours: 07:00 am 03:30 pm Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather****Temperature** 7 AM 50 - 60 12 PM 60 - 70 4PM 60 - 70**Precipitation** 0.00"**Condition** Dense fog in the AM to mostly sunny in the PMWorking Day ☐ If no, explain:**Diary:**

Dispute

Work description.

- Completed outstanding diaries and inspection checklist from last week for cable wrapping.

- Checked the progress of the E2 Shear Key and Bearing alignment. All of the anchor rods have been installed in the lower housings of the 4 Shear Keys and 4 Bearings. The lower housings for B1 and B3 have not been adjusted yet as ABF engineer Zach Lauria is aware that this needs to be done.

The 1.781m west offset line was referenced when taking measurements today, which is the chalkline on the E2 concrete cap beam surface from the E2 cap beam centerline. The following measurements were taken on the lower housings of the B1 and B3 Bearings:

Bearing #	North (mm)	South (mm)	Delta (N vs. S)	Direction Rotation
B1	245	295	- 50	Counterclockwise
B3	303	275	+ 28	Clockwise

The direction of rotation mentioned above is the direction in which the lower housing needs to be turned to align the lower housings normal to the upper housings and center of Pier E2.

- Checked the progress of the Hinge A pipe beam installation/adjustment operations. ABF ironworkers were seen today removing the shims on the Skyway falsework and mobilizing equipment inside of the W-Line SAS and Skyway bridges. Removing the shims from the Skyway falsework will enable the SAS/Skyway bridges to move freely without bearing on these shims due to the vertical movement induced by thermal expansion. See photos below for more details and comments, also see Parviz Jalali's diary for more details on today's work by ABF ironworkers, labor, and equipment.

- Continued to prepare a surveying plan for the Hinge A pipe beams.

Attachment

ddrRptbyBidItem

Daily Diary Report by Bid Item

Job Name: 04-0120F4

Inspector Name Bruce, Matt

Diary #: 704

Date: 29-Oct-2012

Monday



Shims removed at the E-Line Skyway steel tub falsework for vertical movement due to thermal expansion of the SAS and Skyway.



ABF ironworkers removing support shims on the E-Line Skyway steel tub falsework.



Cable wrapping operation on the South Sidespan looking east towards the tower.



Cable wrapping operation on the North Sidespan looking north.



ABF ironworker using a grinder on the Skyway steel tub falsework to remove support shims for full range of vertical thermal movement of the bridges.